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AMENDMENTS TO THE SPECIFICATION

**IN THE SPECIFICATION:** 

Please replace the paragraph beginning on page 1, line 13 with the following

rewritten paragraph.

Recently, due to rapid growth of computer and communication technologies,

information and communication has been have become more important in everyday life

as well as science and business. Particularly, in the current information age, since every

country in the world is constructing high-speed communications nets competitively,

various information will be provided, transmitted and consumed and a considerable part

of such information will be secured by the copyright law.

Please replace the paragraph beginning on page 1, line 20 with the following

rewritten paragraph.

Recorders, video recorders and copy machines using the analogue method

make differences in quality between the original and the copy in costs, time and

convenience and accordingly, those things cannot actually significantly affect the

copyright.

Please replace the paragraph beginning on page 1, line 24 with the following

rewritten paragraph.

However, works on information and communication media such as the Internet

significantly affect the copyright much since the copy and the original are 100% identical

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and through the Internet images and voices as well as texts can be transmitted to the

whole world.

Please replace the paragraph beginning on page 2, line 3 with the following

rewritten paragraph.

Also, in the broadcasting field, the TV transmitting method is digitalized digitized

by generalization of the digital compression technology and development of inexpensive

receivers and accordingly, copy of contents through broadcasting affects the copyright

much significantly.

Please replace the paragraph beginning on page 2, line 7 with the following

rewritten paragraph.

In the information age where all works such as images and records are

digitalized digitized, infringement of the copyright is eased has become easy and done

in various forms and accordingly, exposing and getting rid of infringement of the

copyright is difficult.

Please replace the paragraph beginning on page 2, line 15 with the following

rewritten paragraph.

In the present, as a general technology for protecting copy, there is a method of

restricting the number of copy copies to a certain number by inserting a copy control

code in a header part of contents. The above technology will be applied to broadcasting

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contents as the digital broadcasting is popularized and the technology is partly now in

use.

Please replace the paragraph beginning on page 2, line 22 with the following

rewritten paragraph.

As shown in Figure 1, the conventional digital broadcast receiver includes a TV

broadcast receiver 100 for receiving contents which a broadcasting station transmitted

transmits and a recording apparatus 200 for storing the received contents.

Please replace the paragraph beginning on page 3, line 8 with the following

rewritten paragraph.

The receiving unit 110 of a TV broadcasting receiver receives contents

transmitted through transmission media such as broadcast satellite or cable and stores

the contents in the built-in first storage medium 120. At this time, the possible number of

copy-copies of the contents is decreased by one-time.

Please replace the paragraph beginning on page 3, line 16 with the following

rewritten paragraph.

Later, when the user demands to copy the contents to the second storage

medium, the TV broadcast receiver 100 reads the contents from the first storage

medium and judges the possible number of copy copies by analyzing the copy control

code inserted in the header part of the contents.

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Please replace the paragraph beginning on page 3, line 20 with the following

rewritten paragraph.

At this time, as shown in Figure 3, the copy control code uses 2 bits among 4 bits

of a synchronous bits in the header part of the data packet and is divided to unrestricted

copy, restricted copy, a single copy and no copy according to the set value

(00,01,10,11). Also, the other 1 bit is used in an encryption code of the data stream and

the least significant bit of the synchronous bits is not used as a reserved bit and not

used.

Please replace the paragraph beginning on page 4, line 1 with the following

rewritten paragraph.

After, TV broadcast receiver 100 reads the copy control code of the stored

contents in the first storage medium, the TV broadcast receiver 100 copy copies the

contents to the second storage medium according to the judged possible number of

copy.

Please replace the paragraph beginning on page 4, line 5 with the following

rewritten paragraph.

Namely, as shown in Figure 2, if the copy control code is set as unrestricted copy

(S201), the TV broadcast receiver 100 does not convert the copy control code and

copies the contents to the second storage medium (S202 and S203), if the copy control

code is set as restricted copy (S204), the receiver 100 stores the contents in the second

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storage medium 210 after decreasing one time by one from the possible number of

copy copies by converting the copy control code(S205 and S206). On the contrary, if

the copy control code is set as no copy, the TV broadcast receiver 100 cannot copy the

contents to the second storage medium regardless of demand of the user (S207).

Please replace the paragraph beginning on page 4, line 13 with the following

rewritten paragraph.

By the way, the first storage medium 120 is restricted in the-capacity. Therefore,

if the copy control code is set as to no copy in case the user of the digital broadcast

receiver is willing to store the contents for a long time or edit the contents, copying or

editing of the contents from the first storage medium 120 to the second storage medium

210 is impossible.

Please replace the paragraph beginning on page 7, line 17 with the following

rewritten paragraph.

The receiving unit 410 of the TV broadcast receiver receives the contents

transmitted through the media such as a broadcasting satellite or a cable and stores the

contents in the first storage medium 420 included in itself. At this time, the possible

number of copy-copies of the contents is decreased by one-time.

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Please replace the paragraph beginning on page 8, line 2 with the following

rewritten paragraph.

Besides, if the copy control code of contents is set as unrestricted copy, the

contents do not need any authentication. But if the copy control code of the contents is

set as restricted copy or no copy, the contents are to be authenticated to maintain the

restricted number of copy copies.

Please replace the paragraph beginning on page 9, line 5 with the following

rewritten paragraph.

Also, if the copy control code is set as restricted copy (N = n), the copy control

code of the contents stored in the first storage medium 420 is increased by one time-by

the copy control code converting unit 450 (S604 and S605). The control unit 440 stores

the contents in the second storage medium 500 through the data outputting unit 450

(S606) and then moving of the contents is completed by deleting the original contents in

the first storage medium 420 (S610).

Please replace the paragraph beginning on page 9, line 11 with the following

rewritten paragraph.

Also, if the copy control code is set as no copy (N = 0), the copy control code of

the contents stored in the first storage medium 420 is increased by one time-by the copy

control code converting unit 450 (S607 and S608). Here, in case the copy control code

is set as to no copy, the above contents are divided to copy control code is set as a

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single copy or no copy before the contents are stored in the first storage medium 420.

At this time, in case the copy control code of the contents is set as-to\_no copy, this case

is not included in the present invention, because the contents cannot be stored in the

first storage medium 420. However, in case the copy control code is set as-to no copy

by being stored in the first storage medium 420, the present invention is applied to the

case. Later, the control unit 440 stores the contents to the second storage medium 500

through the data outputting unit 460 and then moving the contents is completed by

deleting the original written in the first storage medium 420 (S609 and S610).

Please replace the paragraph beginning on page 10, line 25 with the following

rewritten paragraph.

The method of moving the contents is that the user moves the contents to the

second storage medium 500 by analyzing and converting the copy control code of the

contents after the contents is-are stored the first storage medium 420, as above

described above. However, the first storage medium 420 can be included in the

Personal Video Recorder, and can be included in another apparatuses (for example,

Personal Computer, Digital Video Disc, Digital Video Home System) using a connection

means (for example, IEEE1394, Universal Serial Bus).